RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/558,627
Source: IFW0
Date Processed by STIC: 10/27/2006

ENTERED

IFWO

RAW SEQUENCE LISTING DATE: 10/27/2006
PATENT APPLICATION: US/10/558,627 TIME: 12:11:13

Input Set : A:\X-16821.ST25.txt
Output Set: N:\CRF4\10272006\J558627.raw

```
      3 <110> APPLICANT: Wolfgang Glaesner, et al.
      5 <120> TITLE OF INVENTION: Fusion Proteins
      7 <130> FILE REFERENCE: X-16821
C-->  9 <140> CURRENT APPLICATION NUMBER: US/10/558,627
C-->  9 <141> CURRENT FILING DATE: 2005-11-29
      9 <150> PRIOR APPLICATION NUMBER: 60/477880
     10 <151> PRIOR FILING DATE: 2003-06-12
     12 <150> PRIOR APPLICATION NUMBER: 60/570908
     13 <151> PRIOR FILING DATE: 2004-05-13
     15 <160> NUMBER OF SEQ ID NOS: 9
     17 <170> SOFTWARE: PatentIn version 3.3
     19 <210> SEQ ID NO: 1
     20 <211> LENGTH: 230
     21 <212> TYPE: PRT
     22 <213> ORGANISM: Artificial
     24 <220> FEATURE:
     25 <223> OTHER INFORMATION: Synthetic Construct
     28 <220> FEATURE:
     29 <221> NAME/KEY: MISC_FEATURE
     30 <222> LOCATION: (1)..(1)
     31 <223> OTHER INFORMATION: Xaa at position 1 is Ala or absent
     33 <220> FEATURE:
     34 <221> NAME/KEY: MISC_FEATURE
     35 <222> LOCATION: (16)..(16)
     36 <223> OTHER INFORMATION: Xaa at position 16 is Pro or Glu
     38 <220> FEATURE:
     39 <221> NAME/KEY: MISC_FEATURE
     40 <222> LOCATION: (17)..(17)
     41 <223> OTHER INFORMATION: Xaa at position 17 is Phe, Val, or Ala
     43 <220> FEATURE:
     44 <221> NAME/KEY: MISC_FEATURE
     45 <222> LOCATION: (18)..(18)
     46 <223> OTHER INFORMATION: Xaa at position 18 is Leu, Glu, or Ala
     48 <220> FEATURE:
     49 <221> NAME/KEY: MISC_FEATURE
     50 <222> LOCATION: (80)..(80)
     51 <223> OTHER INFORMATION: Xaa at position 80 is Asn or Ala
     53 <220> FEATURE:
     54 <221> NAME/KEY: MISC_FEATURE
     55 <222> LOCATION: (230)..(230)
     56 <223> OTHER INFORMATION: Xaa at position 230 is Lys or is absent
     58 <400> SEQUENCE: 1
W--> 60 Xaa Glu Ser Lys Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Xaa
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```
     61 1               5                   10                  15
W--> 64 Xaa Xaa Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
     65             20                  25                  30
     68 Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
     69         35                  40                  45
     72 Val Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly
     73     50                  55                  60
W--> 76 Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Xaa
     77 65                  70                  75                  80
     80 Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp
     81                 85                  90                  95
     84 Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro
     85             100                 105                 110
     88 Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu
     89         115                 120                 125
     92 Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn
     93     130                 135                 140
     96 Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
     97 145                 150                 155                 160
    100 Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
    101                 165                 170                 175
    104 Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg
    105             180                 185                 190
    108 Leu Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys
    109         195                 200                 205
    112 Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
    113     210                 215                 220
W--> 116 Ser Leu Ser Leu Gly Xaa
    117 225                 230
    120 <210> SEQ ID NO: 2
    121 <211> LENGTH: 15
    122 <212> TYPE: PRT
    123 <213> ORGANISM: Artificial
    125 <220> FEATURE:
    126 <223> OTHER INFORMATION: Synthetic Construct
    128 <400> SEQUENCE: 2
    130 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    131 1               5                   10                  15
    134 <210> SEQ ID NO: 3
    135 <211> LENGTH: 6
    136 <212> TYPE: PRT
    137 <213> ORGANISM: Homo sapiens
    139 <400> SEQUENCE: 3
    141 Pro Pro Cys Pro Ser Cys
    142 1               5
    145 <210> SEQ ID NO: 4
    146 <211> LENGTH: 22
    147 <212> TYPE: PRT
    148 <213> ORGANISM: Artificial
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<220> FEATURE:
<223> OTHER INFORMATION: Synthetic Construct
<400> SEQUENCE: 4
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1 5 10 15
Ser Gly Gly Gly Gly Ser
20
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<211> LENGTH: 825
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 5
cacggcgagg gcaccttcac ctccgacgtg tcctcctatc tcgaggagca ggccgccaag 60
gaattcatcg cctggctggt gaagggcggc ggcggtggtg gtggctccgg aggcggcggc 120
tctggtggcg gtggcagcgc tgagtccaaa tatggtcccc catgcccacc ctgcccagca 180
cctgaggccg ccgggggacc atcagtcttc ctgttccccc caaaacccaa ggacactctc 240
atgatctccc ggaccctga ggtcacgtgc gtggtggtgg acgtgagcca ggaagacccc 300
gaggtccagt tcaactggta cgtggatggc gtggaggtgc ataatgccaa gacaaagccg 360
cgggaggagc agttcaacag cacgtaccgt gtggtcagcg tcctcaccgt cctgcaccag 420
gactggctga acggcaagga gtacaagtgc aaggtctcca acaaaggcct cccgtcctcc 480
atcgagaaaa ccatctccaa agccaaaggg cagccccgag agccacaggt gtacaccctg 540
cccccatccc aggaggagat gaccaagaac caggtcagcc tgacctgcct ggtcaaaggc 600
ttctacccca gcgacatcgc cgtggagtgg gaaagcaatg ggcagccgga gaacaactac 660
aagaccacgc ctcccgtgct ggactccgac ggctccttct tcctctacag caggctaacc 720
gtggacaaga gcaggtggca ggaggggaat gtcttctcat gctccgtgat gcatgaggct 780
ctgcacaacc actacacaca gaagagcctc tccctgtctc tgggt 825
<210> SEQ ID NO: 6
<211> LENGTH: 30
<212> TYPE: PRT
<213> ORGANISM: Artificial
<220> FEATURE:
<223> OTHER INFORMATION: Synthetic Construct
<400> SEQUENCE: 6
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
1 5 10 15
Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
20 25 30
<210> SEQ ID NO: 7
<211> LENGTH: 25
<212> TYPE: PRT
<213> ORGANISM: Artificial
<220> FEATURE:
<223> OTHER INFORMATION: Synthetic Construct
<400> SEQUENCE: 7
Asp Ala Ala Ala Lys Glu Ala Ala Ala Lys Asp Ala Ala Ala Arg Glu
1 5 10 15
Ala Ala Ala Arg Asp Ala Ala Ala Lys
20 25
<210> SEQ ID NO: 8

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Input Set : A:\X-16821.ST25.txt
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235 <211> LENGTH: 14
236 <212> TYPE: PRT
237 <213> ORGANISM: Artificial
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Synthetic Construct
242 <400> SEQUENCE: 8
244 Asn Val Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg
245 1 5 10

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/27/2006
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,16,17,18,80,230

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,4,6,7,8

VERIFICATION SUMMARY DATE: 10/27/2006
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L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:64
L:116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:224